

# Jean-Louis Marty

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3078003/jean-louis-marty-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238  
papers

9,833  
citations

58  
h-index

83  
g-index

240  
ext. papers

10,920  
ext. citations

5.9  
avg, IF

6.7  
L-index

#	Paper	IF	Citations
238	A Sensitive Aptasensor Using Biotin-Streptavidin System for Patulin Detection in Apple Juice.. <i>Biosensors</i> , <b>2022</b> , 12,	5.9	1
237	Aptamer-Based Lateral Flow Assays: Current Trends in Clinical Diagnostic Rapid Tests.. <i>Pharmaceuticals</i> , <b>2022</b> , 15,	5.2	4
236	Screen-printed electrochemical immunosensor based on a novel nanobody for analyzing aflatoxin M in milk.. <i>Food Chemistry</i> , <b>2022</b> , 383, 132598	8.5	1
235	Optical Biosensors for Diagnostics of Infectious Viral Disease: A Recent Update. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	5
234	Fabrication of electro-active nano-trans surfaces to design label free electrochemical aptasensor for ochratoxin A detection. <i>Electrochimica Acta</i> , <b>2021</b> , 379, 138172	6.7	2
233	Nanomaterials in fluorescence-based biosensors: Defining key roles. <i>Nano Structures Nano Objects</i> , <b>2021</b> , 27, 100774	5.6	4
232	Development of a label-free electrochemical aptasensor based on diazonium electrodeposition: Application to cadmium detection in water. <i>Analytical Biochemistry</i> , <b>2021</b> , 612, 113956	3.1	12
231	Optical methods using smartphone platforms for mycotoxin detection <b>2021</b> , 37-56		
230	Analysis of Recent Bio-/Nanotechnologies for Coronavirus Diagnosis and Therapy. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
229	An Overview of Optical and Electrochemical Sensors and Biosensors for Analysis of Antioxidants in Food during the Last 5 Years. <i>Sensors</i> , <b>2021</b> , 21,	3.8	14
228	Mathematical Modelling of Biosensing Platforms Applied for Environmental Monitoring. <i>Chemosensors</i> , <b>2021</b> , 9, 50	4	3
227	Recent developments in non-enzymatic (bio)sensors for detection of pesticide residues: Focusing on antibody, aptamer and molecularly imprinted polymer. <i>Talanta</i> , <b>2021</b> , 232, 122397	6.2	35
226	Electrochemical biosensors combining aptamers and enzymatic activity: Challenges and analytical opportunities. <i>Electrochimica Acta</i> , <b>2021</b> , 390, 138863	6.7	2
225	Severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2): a global pandemic and treatment strategies. <i>International Journal of Antimicrobial Agents</i> , <b>2020</b> , 56, 106054	14.3	168
224	Aptamer-modified pencil graphite electrodes for the impedimetric determination of ochratoxin A. <i>Food Control</i> , <b>2020</b> , 115, 107271	6.2	22
223	Detection of antibiotics in food: New achievements in the development of biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 127, 115883	14.6	63
222	Switchable fluorescence sensor toward PAT via CA-MWCNTs quenched aptamer-tagged carboxyfluorescein. <i>Food Chemistry</i> , <b>2020</b> , 312, 126048	8.5	17

221	Urea Biosensor Based on a CO Microsensor. <i>ACS Omega</i> , <b>2020</b> , 5, 27582-27590	3.9	6
220	Investigation of a Truncated Aptamer for Ofloxacin Detection Using a Rapid FRET-Based Apta-Assay. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	2
219	Synthesis and characterization of a new ceramic nanomaterial SiO <sub>2</sub> /NPsSm <sub>2</sub> O <sub>3</sub> /C-graphite for the development of electrochemical sensors. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 243, 122255	4.4	1
218	Immobilization of Enzymes on Magnetic Beads Through Affinity Interactions. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2100, 189-198	1.4	1
217	Development of a highly sensitive xanthine oxidase-based biosensor for the determination of antioxidant capacity in Amazonian fruit samples. <i>Talanta</i> , <b>2019</b> , 204, 626-632	6.2	7
216	An electrochemical aptasensor based on polythiophene-3-carboxylic acid assisted methylene blue for aflatoxin B1 detection. <i>Sensing and Bio-Sensing Research</i> , <b>2019</b> , 25, 100290	3.3	8
215	Development of an Impedimetric Aptasensor for Label Free Detection of Patulin in Apple Juice. <i>Molecules</i> , <b>2019</b> , 24,	4.8	28
214	MIPs and Aptamers as Artificial Receptors in Advanced Separation Techniques <b>2019</b> , 825-857		3
213	A Review of the Construction of Nano-Hybrids for Electrochemical Biosensing of Glucose. <i>Biosensors</i> , <b>2019</b> , 9,	5.9	53
212	Optical and Electrochemical Sensors and Biosensors for the Detection of Quinolones. <i>Trends in Biotechnology</i> , <b>2019</b> , 37, 898-915	15.1	63
211	Highly sensitive label-free in vitro detection of aflatoxin B1 in an aptamer assay using optical planar waveguide operating as a polarization interferometer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 7717-7724	4.4	6
210	Ultrasensitive ciprofloxacin assay based on the use of a fluorescently labeled aptamer and a nanocomposite prepared from carbon nanotubes and MoSe. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 507	5.8	7
209	Polymer scaffold layers of screen-printed electrodes for homogeneous deposition of silver nanoparticles: application to the amperometric detection of hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 810	5.8	9
208	Design of a redox-active surface for ultrasensitive redox capacitive aptasensing of aflatoxin M1 in milk. <i>Talanta</i> , <b>2019</b> , 195, 525-532	6.2	20
207	A highly sensitive electrochemical immunosensor for zearalenone using screen-printed disposable electrodes. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 832, 336-342	4.1	41
206	Detection of ochratoxin A in aptamer assay using total internal reflection ellipsometry. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 263, 248-251	8.5	25
205	Development of a portable and disposable NS1 based electrochemical immunosensor for early diagnosis of dengue virus. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1026, 1-7	6.6	51
204	Disposable electrochemical aptasensor based on carbon nanotubes- V <sub>2</sub> O <sub>5</sub> -chitosan nanocomposite for detection of ciprofloxacin. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 268, 278-286	8.5	66

203	An enhanced Nonenzymatic Electrochemical Glucose Sensor Based on Copper-Palladium Nanoparticles Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , <b>2018</b> , 30, 1811-1819	3	18
202	Carboxylic group riched graphene oxide based disposable electrochemical immunosensor for cancer biomarker detection. <i>Analytical Biochemistry</i> , <b>2018</b> , 545, 13-19	3.1	40
201	Label free aptasensor for ochratoxin A detection using polythiophene-3-carboxylic acid. <i>Talanta</i> , <b>2018</b> , 185, 513-519	6.2	33
200	One step growth of electro-assisted BSA functionalized screen-printed carbon interface with improved antifouling characteristics. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 816, 107-113	4.1	5
199	Advantages of Carbon Nanomaterials in Electrochemical Aptasensors for Food Analysis. <i>Electroanalysis</i> , <b>2018</b> , 30, 2-19	3	32
198	Aptamer-based assays and aptasensors for detection of pathogenic bacteria in food samples. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 107, 60-77	14.6	119
197	Advances in Enzyme-Based Biosensors for Pesticide Detection. <i>Biosensors</i> , <b>2018</b> , 8,	5.9	76
196	Detection of Antibiotics and Evaluation of Antibacterial Activity with Screen-Printed Electrodes. <i>Sensors</i> , <b>2018</b> , 18,	3.8	51
195	Designed Strategies for Fluorescence-Based Biosensors for the Detection of Mycotoxins. <i>Toxins</i> , <b>2018</b> , 10,	4.9	38
194	Label-Free Optical Detection of Mycotoxins Using Specific Aptamers Immobilized on Gold Nanostructures. <i>Toxins</i> , <b>2018</b> , 10,	4.9	13
193	Design of a portable luminescence bio-tool for on-site analysis of heavy metals in water samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2018</b> , 98, 1081-1094	1.8	4
192	Carbon Nanofiber and Meldola Blue Based Electrochemical Sensor for NADH: Application to the Detection of Benzaldehyde. <i>Electroanalysis</i> , <b>2018</b> , 30, 2676-2688	3	9
191	New biorecognition molecules in biosensors for the detection of toxins. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 285-298	11.8	117
190	Disposable and portable aptamer functionalized impedimetric sensor for detection of kanamycin residue in milk sample. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 245, 507-515	8.5	74
189	Low cost optical device for detection of fluorescence from Ochratoxin A using a CMOS sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 606-614	8.5	17
188	An electrochemical aptasensor based on functionalized graphene oxide assisted electrocatalytic signal amplification of methylene blue for aflatoxin B1 detection. <i>Electrochimica Acta</i> , <b>2017</b> , 244, 96-103	6.7	91
187	Electrospinning of graphene-oxide onto screen printed electrodes for heavy metal biosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 247, 366-373	8.5	28
186	A novel colorimetric competitive aptamer assay for lysozyme detection based on superparamagnetic nanobeads. <i>Talanta</i> , <b>2017</b> , 165, 436-441	6.2	27

185	Functionalized graphene oxide/polypyrrole/chitosan (fGO/PPy/CS) modified screen-printed electrodes for non-enzymatic hydrogen peroxide detection. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	10
184	Nanomaterial-based biosensors for food contaminant assessment <b>2017</b> , 805-839		5
183	Smartphone as a Portable Detector, Analytical Device, or Instrument Interface <b>2017</b> ,		4
182	Photoinduced discharge of electrons stored in a TiO <sub>2</sub> -MWCNT composite to an analyte: application to the fluorometric determination of hydrogen peroxide, glucose and aflatoxin B1. <i>Mikrochimica Acta</i> , <b>2017</b> , 185, 26	5.8	7
181	Aptamer-based zearalenone assay based on the use of a fluorescein label and a functional graphene oxide as a quencher. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 4401-4408	5.8	42
180	Determination of Mycotoxins in Food <b>2017</b> , 137-168		
179	Protic ionic liquids as a versatile modulator and stabilizer in regulating artificial peroxidase activity of carbon materials for glucose colorimetric sensing. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 243, 333-340	6	10
178	Aptasensors, an Analytical Solution for Mycotoxins Detection. <i>Comprehensive Analytical Chemistry</i> , <b>2017</b> , 101-146	1.9	2
177	An Overview on Recent Progress in Electrochemical Biosensors for Antimicrobial Drug Residues in Animal-Derived Food. <i>Sensors</i> , <b>2017</b> , 17,	3.8	34
176	Nano-Aptasensing in Mycotoxin Analysis: Recent Updates and Progress. <i>Toxins</i> , <b>2017</b> , 9,	4.9	36
175	Recent Advances in Electrochemical-Based Sensing Platforms for Aflatoxins Detection. <i>Chemosensors</i> , <b>2017</b> , 5, 1	4	29
174	Sensitive quantitation of Ochratoxin A in cocoa beans using differential pulse voltammetry based aptasensor. <i>Food Chemistry</i> , <b>2016</b> , 192, 799-804	8.5	92
173	An Overview of Recent Electrochemical Immunosensing Strategies for Mycotoxins Detection. <i>Electroanalysis</i> , <b>2016</b> , 28, 1750-1763	3	26
172	Portable and low cost fluorescence set-up for in-situ screening of Ochratoxin A. <i>Talanta</i> , <b>2016</b> , 159, 395-400	4.0	10
171	Tetramethyl-6-carboxyrhodamine quenching-based aptasensing platform for aflatoxin B1: Analytical performance comparison of two aptamers. <i>Analytical Biochemistry</i> , <b>2016</b> , 508, 19-24	3.1	29
170	Disposable and portable electrochemical aptasensor for label free detection of aflatoxin B1 in alcoholic beverages. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 235, 466-473	8.5	90
169	An electrochemical sensor based on TiO <sub>2</sub> /activated carbon nanocomposite modified screen printed electrode and its performance for phenolic compounds detection in water samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2016</b> , 96, 237-246	1.8	17
168	Electrochemical aptasensors for the assessment of food quality and safety. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 79, 60-70	14.6	76

167	Sensitive analytical performance of folding based biosensor using methylene blue tagged aptamers. <i>Talanta</i> , <b>2016</b> , 153, 138-44	6.2	46
166	Electrochemical Biosensors for Food Security: Mycotoxins Detection. <i>Advanced Sciences and Technologies for Security Applications</i> , <b>2016</b> , 469-490	0.6	2
165	Label-Free Aptasensors for the Detection of Mycotoxins. <i>Sensors</i> , <b>2016</b> , 16,	3.8	54
164	One Step Assembly of Thin Films of Carbon Nanotubes on Screen Printed Interface for Electrochemical Aptasensing of Breast Cancer Biomarker. <i>Sensors</i> , <b>2016</b> , 16,	3.8	41
163	Electrochemical Affinity Biosensors Based on Disposable Screen-Printed Electrodes for Detection of Food Allergens. <i>Sensors</i> , <b>2016</b> , 16,	3.8	49
162	Colorimetric Analysis of Ochratoxin A in Beverage Samples. <i>Sensors</i> , <b>2016</b> , 16,	3.8	13
161	Nano-Engineered Biomimetic Optical Sensors for Glucose Monitoring in Diabetes. <i>Sensors</i> , <b>2016</b> , 16,	3.8	23
160	Ligand Assisted Stabilization of Fluorescence Nanoparticles; an Insight on the Fluorescence Characteristics, Dispersion Stability and DNA Loading Efficiency of Nanoparticles. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 1407-14	2.4	3
159	Design of a fluorescence aptaswitch based on the aptamer modulated nano-surface impact on the fluorescence particles. <i>RSC Advances</i> , <b>2016</b> , 6, 65579-65587	3.7	10
158	Fluorescence analyzer based on smartphone camera and wireless for detection of Ochratoxin A. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 232, 462-468	8.5	65
157	Development of structure switching aptamer assay for detection of aflatoxin M1 in milk sample. <i>Talanta</i> , <b>2016</b> , 158, 35-41	6.2	49
156	Versatile SPR aptasensor for detection of lysozyme dimer in oligomeric and aggregated mixtures. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 83, 353-60	11.8	11
155	Direct detection of OTA by impedimetric aptasensor based on modified polypyrrole-dendrimers. <i>Analytica Chimica Acta</i> , <b>2016</b> , 920, 37-46	6.6	56
154	Determination of Mycotoxins in Food: A Review of Bioanalytical to Analytical Methods. <i>Applied Spectroscopy Reviews</i> , <b>2015</b> , 50, 728-774	4.5	47
153	Sensitive biosensor based on recombinant PP1 for microcystin detection. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 67, 700-7	11.8	33
152	Gold nanoparticle decorated single walled carbon nanotube nanocomposite with synergistic peroxidase like activity for D-alanine detection. <i>RSC Advances</i> , <b>2015</b> , 5, 24853-24858	3.7	39
151	Development of an aptasensor based on a fluorescent particles-modified aptamer for ochratoxin A detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 7815-22	4.4	35
150	A label free aptasensor for Ochratoxin A detection in cocoa beans: An application to chocolate industries. <i>Analytica Chimica Acta</i> , <b>2015</b> , 889, 106-12	6.6	77

149	Design of a novel magnetic particles based electrochemical biosensor for organophosphate insecticide detection in flow injection analysis. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 208, 491-496	8.5	27
148	Automated flow based biosensor for quantification of binary organophosphates mixture in milk using artificial neural network. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 208, 228-237	8.5	35
147	Titanium Dioxide Nanoparticles (TiO <sub>2</sub> ) Quenching Based Aptasensing Platform: Application to Ochratoxin A Detection. <i>Toxins</i> , <b>2015</b> , 7, 3771-84	4.9	23
146	Label free aptasensor for Lysozyme detection: A comparison of the analytical performance of two aptamers. <i>Bioelectrochemistry</i> , <b>2015</b> , 105, 72-7	5.6	47
145	A novel electrochemical aptamer-antibody sandwich assay for lysozyme detection. <i>Analyst, The</i> , <b>2015</b> , 140, 4148-53	5	58
144	Colorimetric cholesterol sensor based on peroxidase like activity of zinc oxide nanoparticles incorporated carbon nanotubes. <i>Talanta</i> , <b>2015</b> , 143, 157-161	6.2	62
143	Low-cost and portable absorbance measuring system to carbamate and organophosphate pesticides. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 203, 81-88	8.5	10
142	In vitro investigation of anticholinesterase activity of four biochemical pesticides: spinosad, pyrethrum, neem bark extract and veratrine. <i>Journal of Pesticide Sciences</i> , <b>2014</b> , 39, 48-52	2.7	5
141	Disposable screen printed electrochemical sensors: tools for environmental monitoring. <i>Sensors</i> , <b>2014</b> , 14, 10432-53	3.8	256
140	Current Trends in Nanomaterial-Based Amperometric Biosensors. <i>Sensors</i> , <b>2014</b> , 14, 23439-23461	3.8	81
139	Detection of glycoalkaloids using disposable biosensors based on genetically modified enzymes. <i>Analytical Biochemistry</i> , <b>2014</b> , 457, 85-90	3.1	15
138	Design of PEG-aptamer two piece macromolecules as convenient and integrated sensing platform: application to the label free detection of small size molecules. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 45, 168-73	11.8	58
137	Amperometric Biosensor Based on Tyrosinase Immobilized on to a Carbon Black Paste Electrode for Phenol Determination in Olive Oil. <i>Analytical Letters</i> , <b>2013</b> , 46, 2705-2726	2.2	38
136	Automatic Electronic Tongue for On-Line Detection and Quantification of Organophosphorus and Carbamate Pesticides Using Enzymatic Screen Printed Biosensors. <i>Analytical Letters</i> , <b>2013</b> , 46, 1743-1757	7.2	20
135	Improvement of the efficiency and simplification of ELISA tests for rapid and ultrasensitive detection of okadaic acid in shellfish. <i>Food Control</i> , <b>2013</b> , 30, 144-149	6.2	20
134	Rapid high-throughput analysis of ochratoxin A by the self-assembly of DNAzyme-aptamer conjugates in wine. <i>Talanta</i> , <b>2013</b> , 116, 520-6	6.2	45
133	Electrochemical grafting of long spacer arms of hexamethyldiamine on a screen printed carbon electrode surface: application in target induced ochratoxin A electrochemical aptasensor. <i>Analyst, The</i> , <b>2013</b> , 138, 2951-7	5	31
132	Detection of the marine toxin okadaic acid: assessing seafood safety. <i>Talanta</i> , <b>2013</b> , 105, 306-16	6.2	44

131	Development of an automated flow-based electrochemical aptasensor for on-line detection of Ochratoxin A. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 176, 1160-1166	8.5	60
130	Cytochrome c-Based Amperometric Sensors for Superoxide Detection: Where Their Signal Comes From?. <i>Electroanalysis</i> , <b>2013</b> , 25, 448-452	3	6
129	Highly sensitive ochratoxin A impedimetric aptasensor based on the immobilization of azido-aptamer onto electrografted binary film via click chemistry. <i>Talanta</i> , <b>2013</b> , 103, 14-9	6.2	84
128	Aptamers: a promising tool for ochratoxin A detection in food analysis. <i>Toxins</i> , <b>2013</b> , 5, 1988-2008	4.9	99
127	Recent advances and achievements in nanomaterial-based, and structure switchable aptasensing platforms for ochratoxin A detection. <i>Sensors</i> , <b>2013</b> , 13, 15187-208	3.8	46
126	Optimization of hydrogen peroxide detection for a methyl mercaptan biosensor. <i>Sensors</i> , <b>2013</b> , 13, 5028-39	3.9	15
125	Impact of pH on the stability and the cross-reactivity of ochratoxin A and citrinin. <i>Toxins</i> , <b>2013</b> , 5, 2324-40	4.9	31
124	Enzyme immobilization by entrapment within a gel network. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1051, 229-39	1.4	8
123	Immobilization of enzymes on magnetic beads through affinity interactions. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1051, 139-48	1.4	10
122	A novel automated flow-based biosensor for the determination of organophosphate pesticides in milk. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 32, 56-61	11.8	89
121	Aptamer-DNAzyme hairpins for biosensing of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 32, 208-12	12.8	119
120	Rapid determination of pesticide mixtures using disposable biosensors based on genetically modified enzymes and artificial neural networks. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 164, 22-28	8.5	43
119	A simple colorimetric enzymatic-assay for okadaic acid detection based on the immobilization of protein phosphatase 2A in sol-gel. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 166, 47-56	3.2	20
118	Displacement immunoassay for the detection of ochratoxin A using ochratoxin B modified glass beads. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 2861-70	4.4	12
117	Biosensors for Pesticide Detection: New Trends. <i>American Journal of Analytical Chemistry</i> , <b>2012</b> , 03, 210-32	3.2	140
116	Enantioselective inhibition of immobilized acetylcholinesterase in biosensor determination of pesticides. <i>Open Chemistry</i> , <b>2012</b> , 10, 1760-1765	1.6	2
115	Highly sensitive detection and discrimination of LR and YR microcystins based on protein phosphatases and an artificial neural network. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 404, 711-20	4.4	14
114	Conjugation of genetically engineered protein phosphatases to magnetic particles for okadaic acid detection. <i>Journal of Biotechnology</i> , <b>2012</b> , 157, 89-95	3.7	16



113	Electrochemical impedimetric immunosensor for the detection of okadaic acid in mussel sample. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 171-172, 810-815	8.5	56
112	Automated flow-through amperometric immunosensor for highly sensitive and on-line detection of okadaic acid in mussel sample. <i>Talanta</i> , <b>2012</b> , 99, 232-7	6.2	35
111	Development of a novel label-free amperometric immunosensor for the detection of okadaic acid. <i>Analytica Chimica Acta</i> , <b>2012</b> , 724, 92-7	6.6	36
110	Detoxification of organophosphate residues using phosphotriesterase and their evaluation using flow based biosensor. <i>Analytica Chimica Acta</i> , <b>2012</b> , 745, 64-9	6.6	8
109	Recent advances in ochratoxin A-producing fungi detection based on PCR methods and ochratoxin A analysis in food matrices. <i>Food Control</i> , <b>2012</b> , 26, 401-415	6.2	55
108	Novel Amperometric Hydrogen Peroxide Biosensor Based on Horseradish Peroxidase Azide Covalently Immobilized on Ethynyl-Modified Screen-Printed Carbon Electrode via Click Chemistry. <i>Electroanalysis</i> , <b>2012</b> , 24, 1446-1452	3	24
107	Development of an efficient protein phosphatase-based colorimetric test for okadaic acid detection. <i>Analytica Chimica Acta</i> , <b>2011</b> , 702, 262-8	6.6	26
106	Enzyme-Linked Aptamer Assays (ELAAs), based on a competition format for a rapid and sensitive detection of Ochratoxin A in wine. <i>Food Control</i> , <b>2011</b> , 22, 737-743	6.2	125
105	Development of an oligosorbent for detection of ochratoxin A. <i>Food Control</i> , <b>2011</b> , 22, 1790-1796	6.2	32
104	An electrochemical immunosensor based on covalent immobilization of okadaic acid onto screen printed carbon electrode via diazotization-coupling reaction. <i>Talanta</i> , <b>2011</b> , 85, 513-8	6.2	59
103	Development of a colorimetric inhibition assay for microcystin-LR detection: comparison of the sensitivity of different protein phosphatases. <i>Talanta</i> , <b>2011</b> , 85, 2498-503	6.2	48
102	Integrated plant biotechnologies applied to safer and healthier food production: The Nutra-Snack manufacturing chain. <i>Trends in Food Science and Technology</i> , <b>2011</b> , 22, 353-366	15.3	16
101	Site-specific immobilization of a (His) <sub>6</sub> -tagged acetylcholinesterase on nickel nanoparticles for highly sensitive toxicity biosensors. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 30, 43-8	11.8	55
100	Electrochemistry and biosensing activity of cytochrome c immobilized in macroporous materials. <i>Mikrochimica Acta</i> , <b>2011</b> , 175, 87-95	5.8	24
99	Aptamer-based colorimetric biosensing of Ochratoxin A using unmodified gold nanoparticles indicator. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2724-7	11.8	289
98	Enzyme-linked immunosensor based on super paramagnetic nanobeads for easy and rapid detection of okadaic acid. <i>Analytica Chimica Acta</i> , <b>2011</b> , 690, 248-52	6.6	68
97	Electrochemical DNA aptamer-based biosensor for OTA detection, using superparamagnetic nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 156, 932-937	8.5	136
96	An approach to an inhibition electronic tongue to detect on-line organophosphorus insecticides using a computer controlled multi-commuted flow system. <i>Sensors</i> , <b>2011</b> , 11, 3791-802	3.8	12

95	Development of an electrochemical biosensor for the detection of aflatoxin M1 in milk. <i>Sensors</i> , <b>2010</b> , 10, 9439-48	3.8	87
94	Biosensor-controlled degradation of chlorpyrifos and chlorfenvinfos using a phosphotriesterase-based detoxification column. <i>Chemosphere</i> , <b>2010</b> , 78, 1-6	8.4	18
93	Sonogel-carbon electrode based on hemin for detection of superoxide. <i>Talanta</i> , <b>2010</b> , 80, 1805-8	6.2	3
92	Amperometric biosensor based on a high resolution photopolymer deposited onto a screen-printed electrode for phenolic compounds monitoring in tea infusions. <i>Talanta</i> , <b>2010</b> , 81, 1636-42	6.2	77
91	Biosensors as analytical tools in food fermentation industry. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 698, 293-307	3.6	11
90	Screen-printed poly(3,4-ethylenedioxythiophene) (PEDOT): A new electrochemical mediator for acetylcholinesterase-based biosensors. <i>Talanta</i> , <b>2010</b> , 82, 957-61	6.2	82
89	Diazonium-functionalized tyrosinase-based biosensor for the detection of tea polyphenols. <i>Mikrochimica Acta</i> , <b>2010</b> , 171, 187-193	5.8	42
88	Electrochemical aptamer-based sensors. <i>Bioanalytical Reviews</i> , <b>2010</b> , 1, 141-157	1	22
87	Artificial neural network implementation in single low-cost chip for the detection of insecticides by modeling of screen-printed enzymatic sensors response. <i>Computers and Electronics in Agriculture</i> , <b>2010</b> , 74, 223-229	6.5	19
86	Development of a Xanthine Oxidase Modified Amperometric Electrode for the Determination of the Antioxidant Capacity. <i>Electroanalysis</i> , <b>2010</b> , 22, 2429-2433	3	9
85	Selective spectrophotometric detection of insecticides using cholinesterases, phosphotriesterase and chemometric analysis. <i>Enzyme and Microbial Technology</i> , <b>2010</b> , 46, 212-216	3.8	17
84	An Electrochemical Method for Sensitive Determination of Antioxidant Capacity. <i>Electroanalysis</i> , <b>2009</b> , 21, 1395-1400	3	17
83	Electrocatalytic oxidation of NADH at mesoporous carbon modified electrodes. <i>Mikrochimica Acta</i> , <b>2009</b> , 167, 75-79	5.8	22
82	Development of a cytochrome c-based screen-printed biosensor for the determination of the antioxidant capacity of orange juices. <i>Bioelectrochemistry</i> , <b>2009</b> , 76, 76-80	5.6	40
81	Label-free impedimetric immunosensor for sensitive detection of ochratoxin A. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1888-92	11.8	126
80	Kinetic insight into the mechanism of cholinesterase inhibition by aflatoxin B1 to develop biosensors. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2119-24	11.8	32
79	Impedimetric aflatoxin M1 immunosensor based on colloidal gold and silver electrodeposition. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 138, 214-220	8.5	52
78	An electrochemical immunosensor for ochratoxin A based on immobilization of antibodies on diazonium-functionalized gold electrode. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 2180-2184	6.7	70

77	Phosphotriesterase: a complementary tool for the selective detection of two organophosphate insecticides: chlorpyrifos and chlorfenvinfos. <i>Talanta</i> , <b>2009</b> , 77, 1627-31	6.2	29
76	Electrochemical characterization of a superoxide biosensor based on the co-immobilization of cytochrome c and XOD on SAM-modified gold electrodes and application to garlic samples. <i>Talanta</i> , <b>2009</b> , 79, 289-94	6.2	19
75	The use of Artificial Neural Networks for the selective detection of two organophosphate insecticides: chlorpyrifos and chlorfenvinfos. <i>Talanta</i> , <b>2009</b> , 79, 507-11	6.2	33
74	Characterization of the gold-catalyzed deposition of silver on graphite screen-printed electrodes and their application to the development of impedimetric immunosensors. <i>Talanta</i> , <b>2009</b> , 80, 942-6	6.2	21
73	A review of the use of genetically engineered enzymes in electrochemical biosensors. <i>Seminars in Cell and Developmental Biology</i> , <b>2009</b> , 20, 3-9	7.5	76
72	Sensitive amperometric biosensor for dichlorovos quantification: Application to detection of residues on apple skin. <i>Talanta</i> , <b>2008</b> , 74, 741-6	6.2	61
71	Development of a portable biosensor for screening neurotoxic agents in water samples. <i>Talanta</i> , <b>2008</b> , 75, 1208-13	6.2	35
70	Alumina sol-gel/sonogel-carbon electrode based on acetylcholinesterase for detection of organophosphorus pesticides. <i>Talanta</i> , <b>2008</b> , 77, 217-21	6.2	46
69	Inhibition of Low-Density Lipoprotein Peroxidation by BHA Use: Fluorimetric Assay. <i>Analytical Letters</i> , <b>2008</b> , 41, 3253-3263	2.2	1
68	Electrochemical Determination of the Antioxidant Capacity of Organic Compounds. <i>ECS Transactions</i> , <b>2008</b> , 15, 471-478	1	2
67	Enzymatic recycling-based amperometric immunosensor for the ultrasensitive detection of okadaic acid in shellfish. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 24, 716-22	11.8	64
66	Enzymatic recycling for signal amplification: Improving microcystin detection with biosensors. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 129, 263-267	8.5	24
65	Acetylcholinesterase-based biosensors for quantification of carbofuran, carbaryl, methylparaoxon, and dichlorvos in 5% acetonitrile. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 392, 699-707	4.4	54
64	Electronic Tongue Using an Enzyme Inhibition Biosensor Array for the Resolution of Pesticide Mixtures. <i>Electroanalysis</i> , <b>2008</b> , 20, 54-60	3	34
63	A bio-sniffer stick with FALDH (formaldehyde dehydrogenase) for convenient analysis of gaseous formaldehyde. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 130, 32-37	8.5	53
62	Novel highly-performing immunosensor-based strategy for ochratoxin A detection in wine samples. <i>Biosensors and Bioelectronics</i> , <b>2008</b> , 23, 995-1002	11.8	113
61	Biossensor enzimático para detecção de fungicidas ditiocarbamatos: estudo cinético da enzima aldeído desidrogenase e otimização do biossensor. <i>Química Nova</i> , <b>2007</b> , 30, 9-17	1.6	7
60	Highly sensitive amperometric immunosensors for microcystin detection in algae. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1034-40	11.8	79

59	Nanozeolite-assembled interface towards sensitive biosensing. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 1525-1529	5.1	24
58	Enzyme sensor for the electrochemical detection of the marine toxin okadaic acid. <i>Analytica Chimica Acta</i> , <b>2007</b> , 605, 87-93	6.6	61
57	Highly sensitive detection of organophosphorus insecticides using magnetic microbeads and genetically engineered acetylcholinesterase. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 506-12	11.8	79
56	Chapter 15 Ultra-sensitive determination of pesticides via cholinesterase-based sensors for environmental analysis. <i>Comprehensive Analytical Chemistry</i> , <b>2007</b> , 49, 311-330	1.9	4
55	Enzyme inhibition-based biosensor for the electrochemical detection of microcystins in natural blooms of cyanobacteria. <i>Talanta</i> , <b>2007</b> , 72, 179-86	6.2	45
54	Biosensors to detect marine toxins: Assessing seafood safety. <i>Talanta</i> , <b>2007</b> , 72, 884-95	6.2	94
53	Encapsulation of Enzymes Using Polymers and Sol-Gel Techniques. <i>Methods in Biotechnology</i> , <b>2006</b> , 77-85		10
52	Affinity Immobilization of Tagged Enzymes. <i>Methods in Biotechnology</i> , <b>2006</b> , 97-106		9
51	Trends in Flow-based Biosensing Systems for Pesticide Assessment. <i>Sensors</i> , <b>2006</b> , 6, 1161-1186	3.8	58
50	Strategies to develop malic acid biosensors based on malate quinone oxidoreductase (MQO). <i>Biosensors and Bioelectronics</i> , <b>2006</b> , 21, 2290-7	11.8	21
49	Biosensors based on highly sensitive acetylcholinesterases for enhanced carbamate insecticides detection. <i>Analytica Chimica Acta</i> , <b>2006</b> , 562, 115-121	6.6	85
48	Organophosphorus insecticides extraction and heterogeneous oxidation on column for analysis with an acetylcholinesterase (AChE) biosensor. <i>Analytica Chimica Acta</i> , <b>2006</b> , 578, 162-9	6.6	31
47	Twenty years research in cholinesterase biosensors: from basic research to practical applications. <i>New Biotechnology</i> , <b>2006</b> , 23, 1-15		284
46	Catechol monophosphate as a new substrate for screen-printed amperometric biosensors with immobilized phosphatases. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 113, 787-796	8.5	22
45	Bioelectronic sniffers for formaldehyde in the gas phase. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2005</b> , 85, 917-925	1.8	10
44	Cholinesterase immobilisation on the surface of screen-printed electrodes based on concanavalin A affinity. <i>Analytica Chimica Acta</i> , <b>2005</b> , 530, 1-6	6.6	31
43	Insecticide identification using a flow injection analysis system with biosensors based on various cholinesterases. <i>Analytica Chimica Acta</i> , <b>2005</b> , 539, 195-201	6.6	42
42	Towards the protein phosphatase-based biosensor for microcystin detection. <i>Biosensors and Bioelectronics</i> , <b>2005</b> , 20, 1520-30	11.8	52

41	Comparative investigation between acetylcholinesterase obtained from commercial sources and genetically modified <i>Drosophila melanogaster</i> : application in amperometric biosensors for methamidophos pesticide detection. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 825-32	11.8	55
40	Enzyme immobilization procedures on screen-printed electrodes used for the detection of anticholinesterase pesticides. <i>Analytica Chimica Acta</i> , <b>2004</b> , 523, 107-115	6.6	82
39	Versatile method of cholinesterase immobilisation via affinity bonds using Concanavalin A applied to the construction of a screen-printed biosensor. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 217-25	11.8	55
38	Affinity Methods to Immobilize Acetylcholinesterases for Manufacturing Biosensors. <i>Analytical Letters</i> , <b>2004</b> , 37, 1571-1588	2.2	24
37	Development of Highly Sensitive Sensor Based on Bioengineered Acetylcholinesterase Immobilized by Affinity Method. <i>Analytical Letters</i> , <b>2003</b> , 36, 1865-1885	2.2	22
36	Development of an EnFET for the detection of organophosphorous and carbamate insecticides. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 376, 476-80	4.4	18
35	Textural characterisation of graphite matrices using electrochemical methods. <i>Carbon</i> , <b>2003</b> , 41, 123-130	0.4	19
34	Adsorption: an easy and efficient immobilisation of acetylcholinesterase on screen-printed electrodes. <i>Analytica Chimica Acta</i> , <b>2003</b> , 481, 209-211	6.6	58
33	Potentialities of expanded natural graphite as a new transducer for NAD <sup>+</sup> -dependent dehydrogenase amperometric biosensors. <i>Analytica Chimica Acta</i> , <b>2003</b> , 484, 25-31	6.6	5
32	Screen-printed electrodes with electropolymerized Meldola Blue as versatile detectors in biosensors. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 18, 781-90	11.8	63
31	Strategies for developing NADH detectors based on Meldola Blue and screen-printed electrodes: a comparative study. <i>Talanta</i> , <b>2003</b> , 59, 751-65	6.2	21
30	Biosensors designed for environmental and food quality control based on screen-printed graphite electrodes with different configurations. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 374, 25-32	4.4	73
29	Detection of organophosphorus insecticides with immobilized acetylcholinesterase - comparative study of two enzyme sensors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2002</b> , 374, 39-45	4.4	54
28	Screen-printed biosensors for the control of wine quality based on lactate and acetaldehyde determination. <i>Analytica Chimica Acta</i> , <b>2002</b> , 458, 203-213	6.6	62
27	Immobilization of acetylcholinesterase on screen-printed electrodes: comparative study between three immobilization methods and applications to the detection of organophosphorus insecticides. <i>Analytica Chimica Acta</i> , <b>2002</b> , 464, 171-180	6.6	196
26	Detection of anatoxin-a(s) in environmental samples of cyanobacteria by using a biosensor with engineered acetylcholinesterases. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 4102-6	4.8	74
25	Screen-printed electrode based on AChE for the detection of pesticides in presence of organic solvents. <i>Talanta</i> , <b>2002</b> , 57, 169-76	6.2	93
24	Interference-Free Biosensor Based on Screen-Printing Technology and Sol-Gel Immobilization for Determination of Acetaldehyde in Wine. <i>Journal of AOAC INTERNATIONAL</i> , <b>2002</b> , 85, 1382-1389	1.7	16

23	Interference-free biosensor based on screen-printing technology and sol-gel immobilization for determination of acetaldehyde in wine. <i>Journal of AOAC INTERNATIONAL</i> , <b>2002</b> , 85, 1382-9	1.7	7
22	Disposable cholinesterase biosensor for the detection of pesticides in water-miscible organic solvents. <i>Analytica Chimica Acta</i> , <b>2001</b> , 431, 231-237	6.6	64
21	Chronoamperometric determination of d-lactate using screen-printed enzyme electrodes. <i>Analytica Chimica Acta</i> , <b>2001</b> , 433, 81-88	6.6	52
20	Acetylcholine enzyme sensor for determining methamidophos insecticide. <i>Analytica Chimica Acta</i> , <b>2001</b> , 434, 1-8	6.6	49
19	DEVELOPMENT OF A DISPOSABLE BIOSENSOR FOR THE DETECTION OF METAM-SODIUM AND ITS METABOLITE MITC. <i>Analytical Letters</i> , <b>2001</b> , 34, 513-528	2.2	29
18	Improved multianalyte detection of organophosphates and carbamates with disposable multielectrode biosensors using recombinant mutants of <i>Drosophila</i> acetylcholinesterase and artificial neural networks. <i>Biosensors and Bioelectronics</i> , <b>2000</b> , 15, 193-201	11.8	148
17	Structure-functional effects of ethanol on <i>Drosophila melanogaster</i> acetylcholinesterase probed by kinetic studies with substrate and inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>1999</b> , 14, 125-49		1
16	A New Disposable Biosensor for the Accurate and Sensitive Detection of Ethylenebis(Dithiocarbamate) Fungicides. <i>Analytical Letters</i> , <b>1999</b> , 32, 1723-1738	2.2	9
15	Biosensors based on enzyme inhibition: Detection of organophosphorus and carbamate insecticides and dithiocarbamate fungicides. <i>Field Analytical Chemistry and Technology</i> , <b>1999</b> , 3, 171-178		28
14	Chemical modification of horseradish peroxidase with several methoxypolyethylene glycols. <i>Applied Biochemistry and Biotechnology</i> , <b>1998</b> , 73, 173-184	3.2	6
13	Reagentless Sensors for Acetaldehyde. <i>Analytical Letters</i> , <b>1997</b> , 30, 1069-1080	2.2	22
12	Chemical modification of acetylcholinesterase with methoxypolyethylene glycol. <i>Applied Biochemistry and Biotechnology</i> , <b>1997</b> , 67, 153-163	3.2	
11	Reagentless ethanol sensor based on a NAD-dependent dehydrogenase. <i>Biosensors and Bioelectronics</i> , <b>1997</b> , 12, 1083-1088	11.8	33
10	Identification of fenthion and temephos and their transformation products in water by high-performance liquid chromatography with diode array detection and atmospheric pressure chemical ionization mass spectrometric detection. <i>Journal of Chromatography A</i> , <b>1997</b> , 777, 99-114	4.5	32
9	Reusable ethanol sensor based on a NAD <sup>+</sup> -dependent dehydrogenase without coenzyme addition. <i>Analytica Chimica Acta</i> , <b>1997</b> , 340, 143-148	6.6	34
8	High sensitive bienzymic sensor for the detection of dithiocarbamate fungicides. <i>Analytica Chimica Acta</i> , <b>1997</b> , 347, 63-70	6.6	44
7	Enzyme Sensor for the Detection of Herbicides Inhibiting Acetolactate Synthase. <i>Analytical Letters</i> , <b>1996</b> , 29, 1259-1271	2.2	8
6	Biosensors: potential in pesticide detection. <i>TrAC - Trends in Analytical Chemistry</i> , <b>1995</b> , 14, 329-333	14.6	58

5	Bi-enzyme amperometric d-lactate sensor using macromolecular NAD+. <i>Analytica Chimica Acta</i> , <b>1995</b> , 315, 297-302	6.6	38
4	Acetylcholinesterase in organic solvents for the detection of pesticides: Biosensor application. <i>Biosensors and Bioelectronics</i> , <b>1994</b> , 9, 463-470	11.8	130
3	A novel microbial sensor using luminous bacteria. <i>Biosensors and Bioelectronics</i> , <b>1992</b> , 7, 273-7	11.8	24
2	Amperometric determination of choline and acetylcholine with enzymes immobilized in a photocross-linkable polymer. <i>Analytica Chimica Acta</i> , <b>1990</b> , 228, 49-53	6.6	43
1	Application of response surface methodology to optimization of glutaraldehyde activation of a support for enzyme immobilization. <i>Applied Microbiology and Biotechnology</i> , <b>1985</b> , 22, 88	5.7	14